

WHAT IS CLAIMED IS:

1. A deadlock pre-detection program for making  
a computer execute:

5 a first procedure of reading job logic design  
information structured of a plurality of process  
steps including an access step involving an access to  
any one of a plurality of databases;

10 a second procedure of generating a process  
route configured of at least two access steps on the  
basis of the job logic design information;

a third procedure of acquiring a first access  
step and a second access step from the process route;

15 a fourth procedure of judging whether a  
database access sequence based respectively on the  
first step and the second step is a predetermined  
access sequence or not; and

20 a fifth procedure of notifying of, in the case  
of judging that the access sequence is not the  
predetermined access sequence, a purport of deviating  
from the predetermined access sequence.

2. A deadlock pre-detection program according  
to claim 1, wherein the job logic design information  
is structured of a plurality of process steps  
25 including the access step and a branching condition  
step,

said second procedure involves generating at

least two process routes structured of at least two access steps on the basis of the job logic design information,

said third procedure involves acquiring, for  
5 every process route, a first access step and a second access step from the process route, and

said fourth procedure involves judging, for every process route, whether a database access sequence by the first access step and the second  
10 access step is a predetermined access sequence or not.

3. A deadlock pre-detection program according to claim 1, further comprising:

a sixth procedure of having associative  
15 relational data read out, which represent associative relations between a plurality of databases; and

a seventh procedure of generating the predetermined access sequence on the basis of the associative relational data.

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4. A deadlock pre-detection program according to claim 1, wherein said third procedure involves acquiring the first access step and the second access step next to the first access step from the process  
25 route,

said fourth procedure involves judging whether the database access sequence respectively by the

first access step and the second access step is the predetermined access sequence or not, and

said fifth procedure involves notifying, in the case of judging that the access sequence is not the  
5 predetermined access sequence, that the database access by the first access step is conducted anterior to the database access by the second access step.

5. A deadlock pre-detection program according  
10 to claim 1, further comprising:

an eighth procedure of having a multi-access description and the process route read out; and

a ninth procedure of generating information about a possibility of an occurrence of a deadlock in  
15 the case of simultaneously executing the job logic structured of the plurality of process steps on the basis of the multi-access description and the process route.